

Amendments to the claims

1 (Original): A system for data base management, comprising:

at least one memory device suitable to hold a database having a plurality of tables of data,
wherein each table can occupy at least one extent;
a buffer cache suitable to store a plurality of said extents;
a database engine suitable to process a plurality of queries with respect to particular said data by:
reviewing each said query to determine a respective extents list of said extents
containing said particular said data needed by that said query;
retrieving said extents from said memory devices as ordered in said extents lists;
storing said extents that are retrieved in said buffer cache; and
executing said queries on said particular said data in respective said extents stored
in said buffer cache to determine respective results; and
a query monitor suitable to re-order said extents lists so that said extents that are
retrieved and stored in said buffer cache are used more efficiently by said
queries.

2 (Original): The system of claim 1, wherein:

said query monitor is suitable to monitor which said extents are presently in said buffer
cache and to re-order said extents lists so that said extents already stored in said
buffer cache are used more efficiently by said plurality of queries.

3 (Original): The system of claim 1, wherein:

said query monitor is suitable to monitor which said extents in said buffer cache said
database engine is currently executing some said queries against; and
said query monitor is suitable to re-order said extents lists so that said extents already
stored in said buffer cache are used more efficiently by other said queries.

4 (Original): The system of claim 1, wherein:

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said query monitor is suitable to re-order said extents lists so that some said queries are executed at least partially concurrently using at least one same said extent stored in said buffer cache.

5 (Original): The system of claim 1, wherein:

said query monitor is suitable to re-order said extents lists so that some said queries are executed contiguously using at least one same said extent stored in said buffer cache.

6 (Original): The system of claim 1, wherein:

said database engine is suitable queue said plurality of queries into a query list; and
said query monitor is suitable to re-order said query list so that said extents that are retrieved and stored in said buffer cache are used more efficiently by said queries.

7-20 (Cancelled).